

IN THE SPECIFICATION

Amend the specification as follows:

Please substitute the following clean copy paragraph for the pending paragraph that extends from page 13, line 1 through page 13, line 3.

A1

FIG. 7A-7J show the state diagram of FIG. 3 with controller transitions for recovering from any of the group of four undetermined controller states shown in FIG 6.

Please substitute the following clean copy paragraph for the pending paragraph that extends from page 21, line 10 through page 21, line 18.

A2

For non-uniform ground bounce, where the entire boundary scan chain 210 is not uniformly affected, the recovery method shown in FIGS. 7A-7J may be difficult to implement because the entire boundary scan chain will not necessarily be in the same state when the vector data is being shifted in. For example, if the entire chain 210 (FIG. 2) is not in the SHIFT-DR state shown in FIGS. 7C and 7G, then some of the data will not get shifted into the appropriate target locations. Consequently, after a non-uniform ground bounce followed by the state transitions shown in FIGs. 7A-7J, the entire boundary scan chain will not be fully re-initialized to the desired data values.

IN THE DRAWINGS

Please approve the proposed drawing changes shown in red on the attached sheet wherein FIG. 7K has been relabeled as FIG. 8 in order to conform with the written specification.

REMARKS

A Notice Of Omitted Items in a Nonprovisional Application was mailed in connection with the application identified above on March 22, 2002, in which it was noted that FIG. 8 described in the specification appeared to have been omitted from the application. Upon further review of the application, the undersigned noted that FIG. 8